

Amendments of the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for transferring a broadcast signal to a storage device comprising:

- receiving multiple broadcast signals from corresponding multiple channels substantially simultaneously;
- receiving instructions to transfer two or more timeslots on one or more channels to ~~said~~ the storage device, wherein each of the timeslots corresponds to a program broadcast on a respective channel, and wherein first and second of the timeslots each includes at least a core portion, a the first one of said the timeslots including a user extended lead portion preceding the core portion of the first timeslot or a user extended trail portion following the core portion of the first timeslot having a first priority, a second one of said timeslots including a core timeslot having a second priority, wherein each of the two or more timeslot portions timeslots is treated processed as a separate entity;
- determining ~~if~~ whether said the instructions require at least portions of the first and second timeslots to be transferred to the storage device at the same time and thereby cause a conflict between the first and the second timeslots;
- determining one or more solutions to ~~said the~~ conflict ~~, at least partly by considering the multiple broadcast signals;~~
- providing a user an opportunity to choose one of ~~said the~~ solutions to said the conflict; and
- resolving ~~said the~~ conflict automatically, if when said the user does not choose one of ~~said the~~ solutions, using said first and second priorities, by assigning priorities to each of the timeslots choosing either said first or second timeslot, wherein the priorities indicate an order in which the timeslots are transferred to the storage device when a conflict is detected, wherein priorities are assigned the conflict is resolved automatically by;

determining whether the first one of the timeslots has the user extended lead or trail portion;

~~selecting~~ assigning a priority to the first timeslot that is higher than a priority assigned to the second timeslot ~~the first priority as the higher priority such that the first one of said timeslots is chosen if~~ when the first one of said timeslot timeslots is determined to include a the user extended trail portion timeslot, and wherein the conflict is resolved by selecting; and

otherwise, assigning a priority to the second timeslot that is higher than the priority assigned to the first timeslot ~~the second priority as the higher priority such that the second one of said timeslots is chosen if~~ when the first one of said timeslot timeslots is includes a the user extended lead portion timeslot.

2. (Canceled)

3. (Currently Amended) A method for transferring a broadcast signal to a storage device comprising:

receiving multiple broadcast signals from corresponding multiple channels substantially simultaneously;

receiving instructions to transfer two or more timeslots on one or more channels to ~~said~~ the storage device, wherein each of the timeslots corresponds to a program broadcast on a respective channel, and wherein the first and second of the timeslots each includes at least a core portion, a the first one of said the timeslots including an automatically extended lead portion preceding the core portion of the first timeslot or an automatically extended trail portion following the core portion of the first timeslot having a first priority, a the second one of said the timeslots having a second priority and not having being an automatically extended lead portion timeslot or an automatically extended trail portion timeslot, wherein each of the timeslot portions two or more timeslots is treated processed as a separate entity;

determining if whether said the instructions require at least portions of the first and second timeslots to be transferred to the storage device at the same time and thereby cause a conflict between the first and the second timeslots;

determining one or more solutions to ~~said~~ the conflict, ~~at least partly by considering the multiple broadcast signals;~~

providing a user an opportunity to choose one of ~~said~~ the solutions to ~~said~~ the conflict; and

resolving ~~said~~ the conflict automatically, ~~if when said the user does not choose one of said the solutions, by using said first and second priorities, and by assigning a priority to the second timeslot that is higher than a priority assigned to the first timeslot, wherein the priorities indicate an order in which the timeslots are transferred to the storage device when a conflict is detected selecting the second priority as the higher priority such that the second one of said timeslots is chosen.~~

4-5. (Canceled)

6. (Currently Amended) A method for transferring a broadcast signal to a storage device comprising:

receiving multiple broadcast signals from corresponding multiple channels substantially simultaneously;

receiving instructions to transfer two or more timeslots on one or more channels to ~~said~~ the storage device;

determining ~~if whether said the instructions require at least portions of the timeslots to be transferred to the storage device at the same time and thereby cause a conflict between the timeslots;~~

determining a plurality of solutions to ~~said~~ the conflict, ~~at least partly by considering the multiple broadcast signals;~~

examining each timeslot in each of ~~said~~ the solutions;

determining ~~a cumulative priority for each of said solutions, wherein the cumulative priority for each of said solutions comprises~~ assigning a first priority for a first of the one of the two or more timeslots, wherein the first timeslot that includes is a user extended lead portion timeslot, a second priority for a second of the one of the two or more timeslots, wherein the second timeslot includes that is a user extended trail portion timeslot, a third

priority for a third of the ~~for one of the two or more~~ timeslots, wherein the third timeslot includes ~~that is~~ an automatically extended lead or trail portion ~~timeslot~~, and a fourth priority for a fourth of the ~~one of the two or more~~ timeslots, wherein the fourth timeslot includes ~~that is~~ a core portion, wherein the priorities indicate an order in which the timeslots are transferred to the storage device when a conflict is detected timeslot;

determining ~~one or two lowest priority~~ solutions to ~~said~~ the conflict based on ~~said~~ the priorities assigned to the slots ~~cumulative priority~~;

presenting ~~said~~ the ~~one or two lowest priority~~ solutions to ~~said~~ the user;

providing a user an opportunity to choose one of ~~said~~ the lowest priority solutions to ~~said~~ the conflict; and

resolving ~~said~~ the conflict automatically, ~~if when~~ said the user does not choose one of ~~said~~ the solutions, by assigning a priority to the second timeslot that is higher than a priority assigned to other timeslots based on a determination that the second timeslot includes the user extended trail portion ~~selecting one of the one or two lowest priority solutions, wherein the third priority comprises a lower priority solution than the other priorities.~~

7-16. (Canceled)

17. (Currently Amended) A video recorder comprising:

means for receiving multiple broadcast signals from corresponding multiple channels substantially simultaneously;

means for receiving two or more instructions to transfer one or more timeslots on one or more channels to a storage device, wherein each of the timeslots corresponds to a program broadcast on a respective channel, and wherein the first and second of the timeslots each includes at least a core portion, a the first one of said the timeslots including an automatically extended lead portion preceding the core portion of the first timeslot or an automatically extended trail portion following the core portion of the first timeslot having a first priority, a the second one of said the timeslots having a second priority and not having being an automatically extended lead portion timeslot or an automatically extended trail portion timeslot;

means for finding one or more conflicts, which ~~are~~ may be caused by ~~said the~~ instructions when the instructions require at least portions of the first and second timeslots to be transferred to the storage device at the same time;

means for generating one or more solutions to ~~said the~~ conflicts, which ~~said the~~ video recorder obtains, ~~wherein the means for generating one or more solutions at least partly comprises means for considering the multiple broadcast signals;~~

means for giving a user an opportunity to choose one of ~~said the~~ solutions to ~~said the conflicts~~ conflict; and

means for solving ~~said the~~ conflicts automatically, ~~if when~~ said the user does not choose one of said the solutions by using said first and second priorities by assigning a priority to the second timeslot that is higher than priority assigned to the first timeslot based on a determination that the first timeslot includes the automatically extended lead portion or the automatically extended trail portion, wherein the priorities indicate an order in which the timeslots are transferred to the storage device when a conflict is detected ~~and selecting the second one of said timeslots having a second priority as having a higher priority than the first one of said timeslots having a first priority.~~

18-21. (Canceled)

22. (Currently amended) The method of claim 1 wherein ~~said the~~ step of determining if whether ~~said the~~ instructions cause a conflict further comprises:

determining if whether a conflict exists; if when a number of available tuners is less than resources required to completely transfer a plurality of timeslots scheduled to be transferred to said the storage device; and wherein the timeslot with the lower priority is transferred to a system queue.

resolving the conflict by

selecting the first priority as the higher priority if the first one of said timeslots is a user extended trail timeslot such that the second one of said timeslots is transferred to a system queue, and wherein the conflict is resolved by selecting

the second priority as the higher priority if the first one of said timeslots is a user extended lead timeslot such that the first one of said timeslots is transferred to the system queue.

23. (Currently Amended) The video recorder of claim 17, further comprising means for providing a system queue, wherein the system queue receives one of the first timeslot or the second timeslot that is not used to solve ~~said~~ the conflict.

24. (Currently Amended) A method for transferring a broadcast signal to a storage device comprising:

receiving multiple broadcast signals from corresponding multiple channels substantially simultaneously;

receiving instructions to record one or more timeslots on one or more channels, wherein each of the timeslots corresponds to a program broadcast on a respective channel, and wherein first and second of the timeslots each includes at least a core portion, the first one of the timeslots including a user extended lead portion preceding the core portion of the first timeslot or a user extended trail portion following the core portion of the first timeslot, wherein each of the timeslot portions is processed as a separate entity;

determining whether the instructions require at least portions of the first and second timeslots to be transferred to the storage device at the same time and thereby cause a conflict between the first and the second timeslots;

providing a system queue for receiving the first and second ~~one or more~~ timeslots that cause a conflict, wherein priorities are assigned to ~~pre-set criteria describing each of the first and second, one or more timeslots is automatically transferred to the storage device such that a higher priority is assigned to the first timeslot when the first timeslot includes a user extended trail portion;~~ and

resolving the conflict automatically by:

comparing the first and second ~~one or more~~ timeslots in the system queue with priorities assigned to ~~a subsequent one or more timeslot~~ timeslots on one or more channels using the pre-set criteria; and

transferring one of the first and second ~~one or more~~ timeslots in the system queue with based on the higher priority that matches the priority of the pre-set criteria matching the a subsequent one or more timeslot timeslots to the storage device.

25. (Currently Amended) A video recorder comprising:

means for receiving multiple broadcast signals from corresponding multiple channels substantially simultaneously;

means for receiving one or more instructions to transfer one or more timeslots on two or more channels to a storage device, wherein each of the timeslots corresponds to a program broadcast on a respective channel, and wherein first and second of the timeslots each includes at least a core portion, the first one of the timeslots including a user extended lead portion preceding the core portion of the first timeslot or a user extended trail portion following the core portion of the first timeslot, wherein each of the timeslot portions is processed as a separate entity;

means for finding one or more conflicts, which may be caused by ~~said the~~ instructions, where the instructions require at least portions of the one or more timeslots to be transferred to the storage device at the same time and thereby cause a conflict between the first and the second timeslots;

means for generating one or more solutions to ~~said the~~ conflicts, which said video recorder obtains, using a first type for a first timeslot having a first priority and a second type for a second timeslot having a second priority, wherein the means for generating one or more solutions at least partly comprises comparing the first priority and the second priority to determine which has a higher priority based on pre-set priority criteria;

means for providing a system queue for receiving one or more timeslots;

means for giving a user an opportunity to choose one of ~~said the~~ solutions to said the conflict; and

means for solving ~~said the~~ conflict automatically, if when said the user does not choose one of ~~said the~~ solutions, by assigning priorities to each of the timeslots, wherein the priorities indicate an order in which the timeslots are transferred to the system queue when a conflict is detected, wherein priorities are assigned automatically by assigning a priority to the

~~first timeslot that is higher than a priority assigned to the second timeslot when the first timeslot is determined to include the user extended trail portion selecting one of the first timeslot and the second timeslot that has the higher priority based on the pre-set priority criteria, wherein the one of the first timeslot and the second timeslot that is not selected is received by the system queue.~~

26. (New) The method of claim 1 wherein the step of providing the user an opportunity further comprises receiving an indication to resolve the conflict automatically.

27. (New) The video recorder of claim 17, further comprising means for receiving an indication to resolve the conflict automatically.